

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
15 July 2004 (15.07.2004)

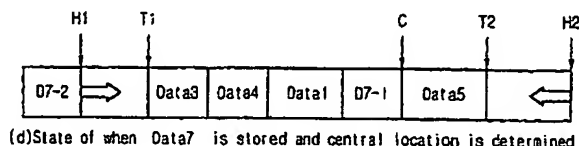
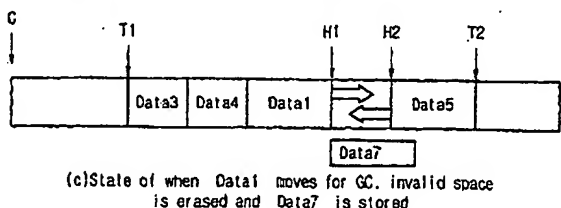
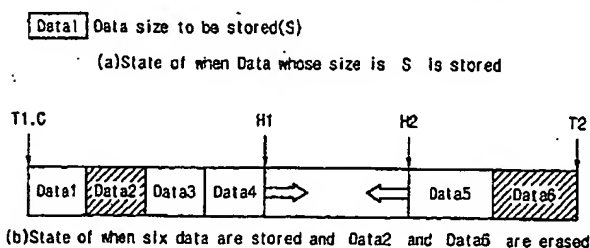
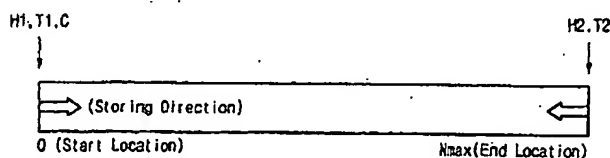
PCT

(10) International Publication Number  
WO 2004/059624 A1

- (51) International Patent Classification: G11B 7/007 (72) Inventors; and  
(21) International Application Number: PCT/KR2003/002783 (75) Inventors/Applicants (for US only): KIM, Jeong-Ki [KR/KR]; 106-702 Wonang Apt., 979, Kwanjeo-dong, Seo-gu, Daejeon 302-758 (KR). BAE, Dong-Suk [KR/KR]; 101-1204 Samwhan Apt., Moonrae-dong 4ga, Youngdungpo-gu, Seoul 150-094 (KR). KIM, Yang-Gi [KR/KR]; A-301 Iraewonbil, Bulgwang-dong, 448-6, Eungpyung-gu, Seoul 122-040 (KR). PARK, Seung-Min [KR/KR]; Hanbit Apt. 102-1302, Eoeun-dong, Yoosung-gu, Daejeon-si 305-755 (KR). KIM, Chae-Kyu [KR/KR]; Garam Billa 2-201, Sinsung-dong 149-13, Yoosung-gu, Daejeon-si 305-804, (KR).  
(22) International Filing Date: 19 December 2003 (19.12.2003)  
(25) Filing Language: Korean  
(26) Publication Language: English  
(30) Priority Data:  
10-2002-0083165 24 December 2002 (24.12.2002) KR  
10-2003-0092533 17 December 2003 (17.12.2003) KR  
(71) Applicant (for all designated States except US): LG ELECTRONICS, INC. [KR/KR]; 20, Yoido-dong, Youngdungpo-gu, Seoul 150-875 (KR).  
(74) Agent: HAW, Yong-Noke; 8th Fl., Songchon Bldg., 642-15 Yoksam-dong, Kangnam-gu, Seoul 135-080 (KR).  
(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG.

[Continued on next page]

(54) Title: DUAL JOURNALING STORE METHOD AND STORAGE MEDIUM THEREOF



(57) Abstract: The present invention provides a dual journaling storing method and a storage medium thereof, in which data are stored toward a central portion of a storage space of the storage medium from start and end locations when a flash memory or the like is used as a storage medium for storing/managing/processing data. One data is stored from a start location of the storage medium based on the journaling method, and another data is stored from an end location of the storage medium toward the start location.